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Lotus I

Abstract

A process is described for manufacturing blown film tubes (3) that are equipped with at least one self-cleaning surface that contains the following characteristics of the process:

- Formation of a plastic melt in an extruder (2)
- Compression of the plastic melt in a blowing head that has a ring-shaped output gap.
- Extrusion of a film tube (3) from this ring-shaped gap
- Expansion of the radius (R1) of the film tube (3) by creating a corresponding pressure inside the film tube (3) by the blow factor (FR)
- Squeezing the film tube (3) with nip rollers (4)
- Stretching the film tube (3) in its axial direction (z) by the length stretch factor (FZ).

The inventiveness lies in the fact that at least one surface of the film tube (3) is provided with elevations in that the material required for the formation of the elevations is either added before the extrusion of the plastic melt from the ring-shaped gap or is spread on at least one surface of the film tube (3) after the extrusion.

(Figure1)